Imagine.

Roland®

DVE
Digital Value Engineering

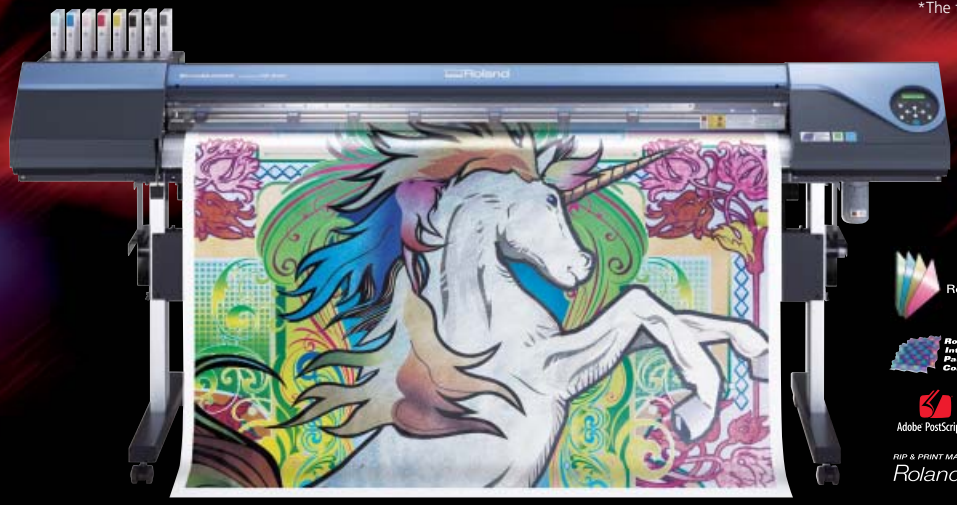
VersaCAMM Print&Cut VS-640

World's First
64" Inkjet Printer/Cutter with Metallic Silver Ink

The World Is Metallic — Our Largest, Most Powerful VersaCAMM Printer/Cutter Ever Features Metallic Silver Ink

The creative world has embraced a new trend — metallic colors. With the VersaCAMM VS-640, you can transform this trend into a profitable new business opportunity. The 64" VS-640 brings all the best of Roland inkjet technology to one groundbreaking device, fully optimized for award-winning Metallic Silver ECO-SOL MAX ink. Metallic ink adds luxury and style to signs, banners, vehicle wraps, window displays, fine art posters, labels and decals. A new print head and renowned Roland Print&Cut technology combine for seamless production of the most complex graphics. An advanced take-up system* collects printed and cut graphics all in one device for reliable unattended production. The VS-640 is also affordable and represents exceptional value, making it the ultimate production printer. Discover a new world of opportunity with the VersaCAMM VS-640.

*The take-up system is available as an option.



Roland Metallic Color System Library

Roland Intelligent Pass Control

ECO-SOL MAX

Adobe PostScript 3

Print&Cut

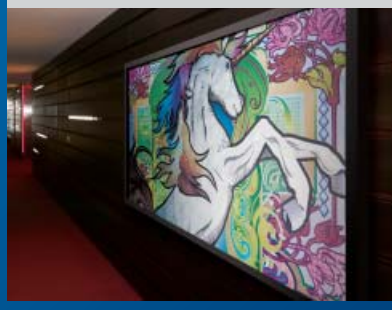
RIP & PRINT MANAGEMENT SOFTWARE
Roland VersaWorks

Brilliant metallic vehicle graphics stand out on the road

Vivid banners are easy to produce with the 64" wide VS-640

Spectacular window displays feature metallic images and accents

Luxurious fine art creates a lasting impression



Revolutionary New Print Head Delivers the Ultimate in Image Quality

Based on a new generation of print head technology, the VS-640 fires droplets of seven different sizes with unmatched precision for beautifully smooth gradations, precision photographs and flawless solid colors. A new gold-plated print head is designed to repel ink, preventing clogs. Precision-rounded nozzles combined with accurate ink firing produce perfect ink droplets for unrivaled image quality. Roland Intelligent Pass Control assures the highest productivity while maintaining smooth gradations and flawless solid colors.

Metallic Colors and White Ink Produce Premium Quality Results

With the introduction of the VS-640, Roland's spot color library has been expanded with more than 500 metallic colors that are easy to apply to any graphic. The VS-640 swatch library also allows you to choose colors from popular graphics software including Adobe® Illustrator®. With white ink, you can produce vivid CMYK colors even on transparent film by adding a white undercoat. Roland's advanced ink circulation system automatically prevents the pigments in metallic silver and white inks from settling, minimizing ink waste without manual intervention.

Remote Production Management — "Roland OnSupport" Messaging System Included

Roland OnSupport is an online customer support system allowing you to remotely track the status of your VS-640 activities. The system sends e-mail notifications directly to your PC or mobile phone with important information such as when a job is completed and when ink is running low. With Roland OnSupport, you have complete freedom to leave your printer unattended, knowing that critical production information will be sent to you in real time.

Includes VersaWorks, Roland's Powerful, Easy-to-Use RIP Software

With VersaWorks RIP software, anyone can achieve professional print quality without advanced skills or previous experience. VersaWorks is built on the genuine Adobe PostScript 3 engine for reliable quality print after print. The Roland Color System accurately reproduces spot colors from Roland Color charts and swatch books and features 512 metallic colors including gold, silver, bronze and a wide range of pearlescent colors. VersaWorks also offers a variety of print options including the Max Impact preset for vivid outdoor graphics and Artistic mode for exceptional indoor graphics to be viewed up close. VersaWorks automatically estimates the ink usage and print time for each graphic so you can accurately monitor your time and costs.

Specifications

Printing technology		Piezoelectric inkjet
Media	**Width**	210 to 1,625 mm (8.3 to 64 in.)
	Thickness	Maximum 1.0 mm (39 mil) with liner for printing Maximum 0.4 mm (16 mil) with liner and 0.22mm (9mil) without liner for cutting
	Roll outer diameter	Maximum 210 mm (8.3 in.)
	Roll weight	Maximum 40 kg (88 lb.)
	Core diameter*1	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing / cutting width*2		Maximum 1,600 mm (63 in.)
Ink cartridges	**Type**	Roland ECO-SOL MAX INK
	Capacity	220 cc or 440 cc
	Colors	Eight colors (cyan, magenta, yellow, black, light cyan, light magenta, metallic silver and white), six colors (cyan, magenta, yellow, black, light cyan, and light magenta), or four colors (cyan, magenta, yellow, and black)
Printing resolution (dots per inch)		Maximum 1,440 dpi
Cutting speed		10 to 300 mm/s
Blade force		30 to 300 gf
Blade offset		0 to 1.5 mm (0 to 0.059 in.)
Software resolution (when cutting)		0.025 mm/step (0.000984 in./step)
Distance accuracy (when printing) *3 *4		Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater
Distance accuracy (when cutting) *3		Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater
Repeatability (when cutting) *3 *5		±0.1 mm or less
Alignment accuracy for printing and cutting *3 *6		±0.5 mm or less
Alignment accuracy for printing and cutting when reloading media *3 *7		Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater
Media heating system *8	**Print heater**	Setting range for the preset temperature: 30 to 45°C (86 to 112°F)
	Dryer	Setting range for the preset temperature: 30 to 50°C (86 to 122°F)
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 120 V ±10%, 8.2A, 50/60 Hz or AC 220 to 240 V ±10%, 4.2A, 50/60 Hz
Power consumption	**During operation**	Approx. 1,080 W
	Sleep mode	Approx. 14.8 W
Acoustic noise level	**During operation**	64 dB (A) or less
	During standby	41 dB (A) or less
Environmental	**Power on**	Temperature: 15 to 32°C (59 to 90°F) [20°C (68°F) or more recommended], Humidity: 35 to 80% (no condensing)
	Power off	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80% (no condensing)
Dimensions (with stand)		2,575 (W) x 705 (D) x 1,105 (H) mm (101.4 (W) x 27.8 (D) x 43.5 (H) in.)
Weight (with stand)		130 kg (287 lb.)
Included items		Stand, power cord, blade, blade holder, media clamps, media holder, replacement blade for separating knife, software RIP, user's manual, etc.

*1 The media holder of this machine is exclusively for media with a paper tube core inner diameter of 3 inches. To use a 2 inch media core, please use the optionally available media flanges. *2 The length of printing or cutting is subject to the limitations of the program. *3 Using Roland specified media, loaded correctly, temperature: 25°C (77°F), humidity: 50 %RH, all pinch rollers are used, 25 mm or more for both right and left margins and 35 mm or more front margin, excluding expansion or contraction of the media. and all correction and adjustment functions of this machine have been made properly. Not assured when the print heater or dryer is used. *4 Using Roland specified media, print travel of 1m *5 [PREFEED] menu item must be set to "ENABLE," Media over 610 mm wide, and 4,000 mm long. Media 610 mm wide or less and 8,000 mm long. *6 Provided that media length is under 3,000 mm. Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media. *7 Using Roland specified media, data size: 1,000 mm in the media-feed direction, 1,600 mm in the carriage-movement direction. No lamination. Automatic detection of crop marks at 4 points when media is reloaded. During cutting, [PREFEED] menu item must be set to "ENABLE." Excludes the effects of slanted movement and of expansion and contraction of the media. *8 Warm-up is required after powerup. This may require 5 to 20 minutes, depending on the operating environment. The preset temperature may fail to be reached depending on the ambient temperature and media width.

Roland VersaWorks System Requirements

Operating system	Windows® 7 Professional or Ultimate (32 bit or 64bit), Vista® Ultimate Service Pack 1 or Business Service Pack 1 (32-bit edition), Windows Vista® Ultimate or Business (32-bit edition), or Windows® XP Professional Service Pack 2 or 3, or Windows® 2000 Service Pack 4 (Mac and other operating systems are not supported.)
CPU	Pentium 4, 2.0 GHz or faster recommended
RAM	1 GB or more recommended (Windows 7 and Vista: 2 GB or more recommended)
Video card and monitor	A resolution of 1,280 x 1,024 or more recommended
Free hard-disk space	40 GB or more recommended
Optical drive	DVD-ROM drive

Application software compatible with Cutting and Print&Cut

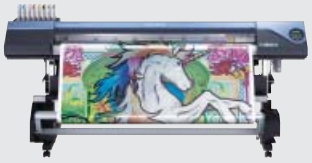
Adobe® Illustrator® 10, CS, CS2, CS3 / CorelDRAW® 11, 12, X3

Option

Automated take-up system

TU2-64

For VS-640, rolls up to 30kg (66 lbs.)



Options

	Model	Description
ECO-SOL MAX Media (for banners, posters, POPs and vehicle graphics, etc.)	SP-SG-1270TR	PET semi gloss, removable adhesive, 1270 mm x 30 m (50" x 98')
	SP-SG-1270G	PET semi gloss, gray adhesive, 1270 mm x 30 m (50" x 98')
	SPVCB-1270	PVC banner, 1270 mm x 20 m (50" x 65')
	SFPLF-1300	Backlit film, 1300 mm x 30 m (51" x 98')
	SV-G-1270G	Gray adhesive vinyl, 1270 mm x 30 m (50" x 98')
	SCM-GPPG-40-127	White glossy photo paper, 1270 mm x 40 m (50" x 131')
	SCM-GPPG-50-914	White glossy photo paper, 914 mm x 50 m (35" x 164')
	MPP-SG-1067	Semi glossy photo paper, 1067 mm x 30 m (42" x 98')
	SCM-GVWG-40-137	Calendered White Vinyl, adhesive, 1370 mm x 40 m (53" x 131')
	SCM-GVWG-40-152	Calendered White Vinyl, adhesive, 1520 mm x 40 m (60" x 131')
	SP-CL-1000T	Clear PET film, adhesive, 1000mm x 20m (39" x 65')
	ESP-CL-1300	Clear PET film, 1300 mm x 30m (51" x 98')
	SCM-GPPM-40-127	Photo mat paper, 1270mm x 40m (50" x 131')
	SCM-GPPM-50-762	Photo mat paper, 762mm x 50m (30" x 164')
ECO-SOL MAX Media (for decals)	SCM-GGPET-40-500	Glossy gold PET, adhesive, 500 mm x 40m (19" x 131')
	SCM-GSPET-40-500	Glossy silver PET, adhesive, 500mm x 40m (19"x 131')
	SCM-GGPVC-40-610	Glossy gold vinyl, adhesive, 610mm x 40m (24" x 131')
	SCM-GSPVC-40-610	Glossy silver vinyl, adhesive, 610mm x 40m (24" x 131')
	SP-M-1270	Matte PET film, 1270 mm x 30 m (50" x 98')
	SP-M-610	Matte PET film, 610mm x 30m (24" x 98')
	SP-SG-610G	Semi-glossy PET, gray adhesive, 610mm x 30m (24"x 98')
	SP-SG-610TR	Semi-glossy PET, removable adhesive, 610mm x 30m (24'x 98')

	Model	Description
ECO-SOL MAX Media (for garment heat transfer)	SCM-TTRH-25-750	Garment heat transfer, 750mm x 25m (29" x 82')
	HTSP-10-500	Special silicon paper for matte finish, 500mm x 10m (19.68" x 32.8')
	HTTA-25-500	Application film, 500mm x 25m (19" x 82')
ECO-SOL MAX INK	ESL3-4MG	Magenta, 440cc
	ESL3-4YE	Yellow, 440cc
	ESL3-4CY	Cyan, 440cc
	ESL3-4BK	Black, 440cc
	ESL3-MG	Magenta, 220cc
	ESL3-YE	Yellow, 220cc
	ESL3-CY	Cyan, 220cc
	ESL3-BK	Black, 220cc
	ESL3-MT	Metallic silver, 220cc
	ESL3-WH	White, 220cc
Cleaning cartridge	SL-CL	Cleaning liquid, 1 pc.
Blades	ZEC-U5022	For thick, reflective and fluorescent vinyl, 2pcs.
	ZEC-U5025	For thick, reflective and fluorescent vinyl, 5pcs.
Blade Holders	XD-CH2	Blade holder with blade extension abjuster, made of aluminum
Automated take-up system	TU2-64	For VS-640, rolls up to 30kg (66 lbs.)
	TUC-2	Controller for TU2-64 take-up system

*The glossiness of metallic colors depends on the media used. For best results, produce a test print on each substrate before production.

About Metallic Silver and White Inks

Due to the nature of white and silver inks, the pigment in these inks will settle in the cartridge and ink flow system, requiring you to shake the cartridge before each use. Outdoor durability is three years for CMYK inks, one year for white ink, and one to three years for metallic silver ink, depending on the media used. Roland strongly recommends lamination for both indoor and outdoor graphics to ensure the quality of metallic inks.

Roland DG products that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.

ECO

ISO 14001:2004 and ISO 9001:2008 Certified

Roland pursues both environmental protection and continuous quality improvement. Under the philosophy of preserving the environment and human health, Roland is actively working to abolish organic solvents in production, to reduce and recycle waste, to reduce power use, and to purchase recycled products. Roland constantly strives to provide the most highly reliable products available.

JMA REGISTERED FIRM QMS, EMS JMAQA-0270 JMAQA-E0289

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